

SD212-H

2 dipole antenna, 5.0/5.5 dBd gain, HD, 118-225 MHz

- Covers 118-225 MHz in 3 band splits
- 5.0 dBd gain at elliptical (bi-directional) pattern (1/2 wave), 5.5 dBd gain at offset pattern (1/4 wave)
- 300W power handling

The SD212-H series is a rugged heavy duty 2-bay exposed dipole antenna, designed for applications where moderate gain is required. These premium-quality antennas are well suited to public safety/public security applications.

The design of these antennas provides for coverage between 138-174 MHz.

The SD212-H is designed to withstand extreme environmental conditions. Survival wind velocity is as high as 215 mph without ice.

The standard connector offered is N male which is terminated on a 1 foot cable. Clamps are not included but recommended is the set of #5 clamps.

Model	Description	Pattern
SD212-HF2P2SNM(D00B)	5.0 dBd gain, N (male) connector, 138-174 MHz	Bi-directional
SD212-HF2P4SNM(D00B)	5.5 dBd gain, N (male) connector, 138-174 MHz	Offset



www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet		SD212-H		Dated: 05-02-10

SD212-HF2P2SNM(D00B)

SD212-HF2P4SNM(D00B)

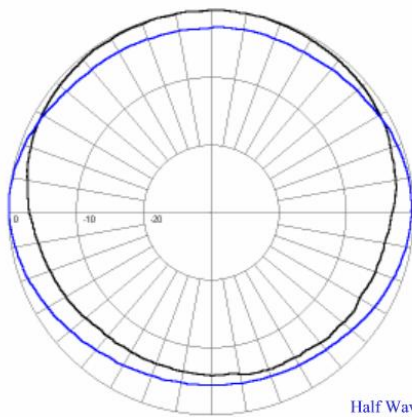
Electrical Specifications

Frequency Range, MHz	138 to 174	138 to 174
Gain (nominal), dBd (dBi)	5 (7.1)	5.5 (7.6)
Input VSWR (max)	1.5:1	1.5:1
Polarization	vertical	vertical
Pattern	Bi-directional	Offset
Horizontal beamwidth, degrees		210
Vertical beamwidth, degrees	17	34
Average Power Input (max), W	250	300
Lightning protection	DC ground	DC ground
Bandwidth, MHz	36	36
Electrical tilt (available)	0	0

Mechanical Specifications

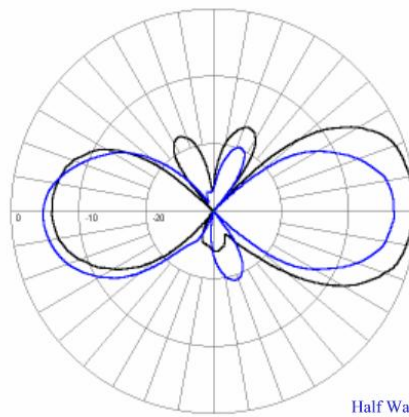
Connector	N (male)	N (male)
Length/ Height, in (mm)	120 (3048)	120 (3048)
Width, in (mm)	42.8 (1086)	24.6 (625)
Depth, in (mm)	4.8 (121)	4.8 (121)
Base pipe diameter, in (mm)	2.8 (71)	2.9 (74)
Weight, lbs (kg)	39.5 (17.9)	41 (18.6)
Mounting information	Top Mount	
Actual Shipping weight, lbs (kg)	67 (30.4)	68 (30.9)
Shipping dimensions, in (mm)	126x48x6 (3200x1219x152)	124x30x5in315x76.2x12.7cm ()
Mounting hardware	clamps not supplied	clamps not supplied

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Azimuth

SD212-HF2P2SNM(D00B)



Elevation

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